

U.S. Department of Commerce, Patent and Trademark Office  <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; border-radius: 50%; padding: 10px; text-align: center; margin-right: 10px;">           OIPF NOV 08 2005 PATENT &amp; TRADEMARK OFFICE         </div> <div>           LIST OF RELEVANT ART CITED BY APPLICANT            (Use several sheets if necessary)         </div> </div>				Docket No.: 7676/SYNX/JW		Serial No.: 10/650,480	
				Applicants: Michael R. Rice, et al			
				Filing Date: August 28, 2003		Group: 3652 3661	
U.S. Patent Documents							
*Examiner Initial	Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate	
m.m	US-1	4,006,813	02/08/77	Rene Fluck			
	US-2	4,166,527	09/04/79	Earl F. Beezer			
	US-3	4,222,479	09/16/80	Dugan, et al.			
	US-4	4,294,344	10/13/81	Johannes D. van Maanen			
	US-5	4,450,950	05/29/84	James C. Foote, Jr.			
	US-6	4,538,720	09/03/85	Jean-Louis Limousin			
	US-7	4,552,261	11/12/85	Raudat, et al.			
	US-8	4,584,944	04/29/86	Clarence A. Dehne			
	US-9	4,653,630	03/31/87	Anna Bravin			
	US-10	4,679,685	07/14/87	Kenji Inoko			
	US-11	4,702,365	10/27/87	Chong-II Pak			
Foreign Patent Documents							
		Document Number	Date	Country	Class	Subclass	Translation
	F-1	JP 02098157 A	04/10/90	Japan			Abstract
	F-2	JP 00062949 A	02/29/00	Japan			Abstract
	F-3	JP 00335799 A	12/05/00	Japan			Abstract
	F-4	WO 97/09256 A1	03/13/97	PCT			Abstract
	F-5	WO 00/69724 A1	11/23/00	PCT			X
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	OT-1	Virvalo, T.K., "Cylinder Speed Synchronization", Dec. 1978, Hydraulics and Pneumatics, Vol. 31, No. 12, pages 55-57.					
	OT-2	Cheng, et al., "Adaptive Synchronization Control of a Robotic Manipulator Operating in an Intelligent Workcell", April 1990, IEEE Transactions on Industrial Electronics, Vol. 37, No. 2, pages 119-126.					
	OT-3	Shih-Hung Li, et al. "An Ultrahigh Speed Assembly Robot System. Part I. Design", 1994, Proceedings 1994 Japan-U.S.A. Symposium on Flexible Automation - A Pacific Rim Conference, Vol. 2, pages 465-72.					
Examiner m.m. Steudel		Date Considered 2-13-06					
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.							

U.S. Department of Commerce, Patent and Trademark Office  LIST OF RELEVANT ART CITED BY APPLICANT (Use several sheets if necessary)	Docket No.: 7676/SYNX/JW	Serial No.: 10/650,480
	Applicants: Michael R. Rice, et al	
	Filing Date: August 28, 2003	Group: <del>3652</del> 3661

## U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
m.m.	US-12	4,708,727	11/24/87	Cardenas-Franco, et al.			
	US-13	4,720,006	01/19/88	Harald Lenherr			
	US-14	4,750,605	06/14/88	Brems, et al.			
	US-15	4,852,717	08/01/89	Ross, et al.			
	US-16	4,901,843	02/20/90	Jeffrey A. Lashyro			
	US-17	4,921,092	05/01/90	Crawford, et al.			
	US-18	5,052,544	10/01/91	David L. Anderson			
	US-19	5,092,450	03/03/92	Schommartz, et al.			
	US-20	5,123,518	06/23/92	Ernest H. Pfaff			
	US-21	5,341,915	08/30/94	Cordia, et al.			
	US-22	5,560,471	10/01/96	Prochut, et al.			

## Foreign Patent Documents

## Translation

		Document Number	Date	Country	Class	Subclass	Yes	No
m.m.	F-6	EP 0717717 B1	07/07/99	EPO			X	
	F-7	EP 00735927 B1	11/03/99	EPO			Abstract	
	F-8	EP 00912426 B1	08/09/00	EPO			Abstract	
	F-9	EP 0277536 A1	08/10/88	EPO			Abstract	
	F-10							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

m.m.	OT-4	Roberts, et al., "Feed Chute Geometry for Minimum Belt Wear", Sept. 1998, 6th International Conference on Bulk Materials Storage, Handling and Transportation, pages 153-159.
	OT-5	Saigo, et al., "Drive Control Systems for Processing Lines", 11/10/2000, Fuji Jiho (Fuji Electric Journal), Vol. 73, No. 11, pages 45-49, Japanese language (Abstract only).
	OT-6	Saigo, K., "Variable-speed Drive Systems for Industrial Plants", 11/10/2000, Fuji Jiho (Fuji Electric Journal), Vol. 73, No. 11, pages 10-14, Japanese language (Abstract only).

Examiner McDiarmid Marc	Date Considered 2-13-06
----------------------------	----------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark Office  <b>LIST OF RELEVANT ART CITED BY APPLICANT</b> (Use several sheets if necessary)				Docket No.: 7676/SYNX/JW		Serial No.: 10/650,480	
				Applicants: Michael R. Rice, et al			
				Filing Date: August 28, 2003		Group: 3652 <b>3661</b>	

  

U.S. Patent Documents							
*Examiner Initial	Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate	
m.m	US-23	5,653,327	08/05/97	Buday, Jr., et al.			
	US-24	5,664,254	09/02/97	Ohkura, et al.			
	US-25	5,782,338	07/21/98	Schuster, et al.			
	US-26	5,797,249	08/25/98	Thomas Patterson Hartness			
	US-27	5,829,574	11/03/98	Mario DelSanto			
	US-28	5,865,292	02/02/99	Aguilar, et al.			
	US-29	5,887,701	03/30/99	Mario Spatafora			
	US-30	6,209,710	04/03/01	Mueller, et al.			
	US-31	6,223,887	05/01/01	Naoyuki Andou			
	US-32	6,227,346	05/08/01	Lecomte, et al.			
	US-33	6,227,348	05/08/01	Frei, et al.			

  

Foreign Patent Documents							Translation	
Document Number	Date	Country	Class	Subclass	Yes	No		
F-11								
F-12								
F-13								
F-14								
F-15								

  

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
m.m	OT-7 Park, et al., "Task Sequence Optimization for a Dual-Robot Assembly System using Evolutionary Algorithms", 2001, Proceedings of the Institution of Mechanical Engineers, Part B (Journal of Engineering Manufacture), Vol. 215, No. B6, pages 835-46.
	OT-8
	OT-9

  

Examiner McDowell Marc	Date Considered 2-13-06
---------------------------	----------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark Office  <b>LIST OF RELEVANT ART CITED BY APPLICANT</b> (Use several sheets if necessary)				Docket No.: 7676/SYNX/JW		Serial No.: 10/650,480	
				Applicants: Michael R. Rice, et al			
				Filing Date: August 28, 2003		Group: 3652 <b>3661</b>	

  

U.S. Patent Documents							
*Examiner Initial	Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate	
m.m.	US-34	6,234,300	05/22/01	De Vos, et al.			
	US-35	5,110,249	05/05/92	Arthur E. Norman			
	US-36	6,036,426	03/14/00	Gary Hillman			
	US-37	6,183,186	02/06/01	Peltola, et al.			
	US-38	4,401,522	08/30/83	Buschow, et al.			
	US-39	4,534,843	08/13/85	Hirbour, et al.			
	US-40	4,540,088	09/10/85	John C. Bergh			
	US-41	4,650,264	03/17/87	Dean L. Dahnert			
	US-42	4,775,046	10/04/88	Gramarossa, et al.			
	US-43	6,235,634	05/22/01	Law, et al.			
	US-44	2002/090282	07/11/02	Robert Z. Bachrach			

  

Foreign Patent Documents							Translation	
Document Number	Date	Country	Class	Subclass	Yes	No		
F-16								
F-17								
F-18								
F-19								
F-20								

  

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
OT-10	
OT-11	
OT-12	

  

Examiner <i>McDiarmid</i>	Date Considered 2-13-06
------------------------------	----------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark Office  <b>LIST OF RELEVANT ART CITED BY APPLICANT</b> (Use several sheets if necessary)					Docket No.: 7676/SYNX/JW		Serial No.: 10/650,480	
					Applicants: Michael R. Rice, et al			
					Filing Date: August 28, 2003		Group: 3652 / 3661	

  

U.S. Patent Documents							
*Examiner Initial	Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate	
m m	US-45	2003/010449	01/16/03	Gramarossa, et al.			
	US-46	1,639,758	08/08/27	Jervis B. Webb			
	US-47	1,906,036	04/08/33	William E. Wunderlich			
	US-48	2,153,071	04/08/39	Leonard J. Bishop			
	US-49	2,949,996	08/08/60	Roger Tonelli			
	US-50	3,058,604	10/08/62	Harper, et al.			
	US-51	3,131,801	05/08/64	Augusto Marchetti			
	US-52	3,184,032	05/08/65	John Petter Ingemar Jonsson			
	US-53	3,587,817	06/08/71	Bornstein, et al.			
	US-54	3,610,448	10/08/71	Ulrich Bornfleth			
	US-55	4,730,733	03/08/88	Kawamura, et al.			

  

Foreign Patent Documents							Translation	
Document Number	Date	Country	Class	Subclass	Yes	No		
F-21								
F-22								
F-23								
F-24								
F-25								

  

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
OT-13	
OT-14	
OT-15	

  

Examiner McDowell Mar	Date Considered 02-13-06
--------------------------	-----------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark Office  <b>LIST OF RELEVANT ART CITED BY APPLICANT</b> (Use several sheets if necessary)				Docket No.: 7676/SYNX/JW		Serial No.: 10/650,480	
				Applicants: Michael R. Rice, et al			
				Filing Date: August 28, 2003		Group: 3652 3661	

  

U.S. Patent Documents							
*Examiner Initial	Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate	
m m	US-56	4,936,438	06/08/90	Glenn Wainco	—	—	—
	US-57						
	US-58						
	US-59						
	US-60						
	US-61						
	US-62						
	US-63						
	US-64						
	US-65						
	US-66						

  

Foreign Patent Documents							Translation	
	Document Number	Date	Country	Class	Subclass	Yes	No	
	F-26							
	F-27							
	F-28							
	F-29							
	F-30							

  

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
	OT-16
	OT-17
	OT-18

  

Examiner <i>McDiarmid</i>	Date Considered 2-13-06
------------------------------	----------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.